

JOHN R. MATTINGLY\*  
DANIEL J. STANGER  
SHRINATH MALUR\*

GENE W. STOCKMAN  
Of Counsel

JEFFREY M. KETCHUM  
Registered Patent Agent

\* Bar Membership Other Than Virginia

MATTINGLY, STANGER & MALUR

ATTORNEYS AT LAW

1800 DIAGONAL ROAD, SUITE 370  
ALEXANDRIA, VIRGINIA 22314

(703) 684-1120

PATENT, TRADEMARK  
AND COPYRIGHT LAW

FACSIMILE: (703) 684-1157



24956

PATENT TRADEMARK OFFICE

11/20/01  
11/20/01  
JC971 U.S. PTO  
09/988644

Date: November 20, 2001

Attorney Docket No. H-1019

To: Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir: Transmitted herewith for filing is the patent application of:

Inventor: H. HASEBE et al (see attached)

For:  
A SEMICONDUCTOR DEVICE

Enclosed are:



12 Sheets of Drawings



This application is being filed without an executed Declaration.



Priority is claimed from Japanese Application No. 2000-401933  
filed December 28, 2000. ☒ A certified copy is attached herewith.



Copies of the disclosure documents listed on the attached PTO 1449 form and  
☒ discussed in the specification or ☒ attached Information Disclosure Statement.



A verified statement to establish small entity status under 37 CFR 1.9 and 1.27.



Specification: Abstract X, Description 51 pages; and 57 claim(s).



Preliminary Amendment.



Executed Declaration.

The filing fee is calculated as shown below:

Small Entity

Large Entity

For:	No. Filed	No. Extra
Basic Fee		
Total Claims	57 - 20 =	* 37
Indep Claims	8 - 3 =	* 5
<input type="checkbox"/> Multiple Dependent Claim (s)		

\* If difference is less than zero  
then enter '0' in second column

Rate	Fee
	\$ 370
x 9	\$
x 42	\$
+ 140	\$
Total	\$

OR

Rate	Fee
	\$ 740
x 18	\$ 666
x 84	\$ 420
+ 280	\$ 0
Total	\$ 1,826



A check in the amount of \$ 1,826.00 is enclosed for the filing fee.



The Commissioner is hereby authorized to charge any additional fees that may be required to  
Deposit Account No. 50-1417.

Respectfully Submitted,

By:

*John R. Mattingly*  
John R. Mattingly  
Registration No. 30,293

H-1019  
310002171US1M

LIST OF INVENTORS' NAMES AND ADDRESSES

Hajime HASEBE, Hakodate, JAPAN;  
Tadatoshi DANNO, Takasaki, JAPAN;  
Yukihiro SATOU, Takasaki, JAPAN.

09983544-112001  
T002T-149860

PATENT APPLICATION SERIAL NO. \_\_\_\_\_

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE  
FEE RECORD SHEET

11/21/2001 AADDF01 00000036 09988644

01 FC:101	740.00 DP
02 FC:103	666.00 DP
03 FC:102	420.00 DP